

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. Those documents can be found in the supplementary documents file drawer. Folders in that drawer are arranged alphabetically, then by permit number.

Folder Name: Citrus Central
Reeco Scientific
General

Period During Which
DOCUMENT WAS
SUBMITTED
(APPLICATION, PD & TE,
FINAL DETERMINATION,
POST PERMIT)

2/22/88

Detailed Description

1. COLOR INFO: RE-THERM
FROM REECO
2. COLOR INFO: RE-THERM VF
3. COLOR DETAIL PICTURES:
RE-THERM FROM REECO
4. COLOR GENERAL INFO. ABOUT
REECO

P 274 010 492

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Bruno A. Ferraro, Pres.	
Grove Scientific	
Street and No. 6140 Edgewater Drive, Suite F	
P.O. State and ZIP Code Orlando, FL 32810-4810	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 03/08/88	
Letter of Info.	

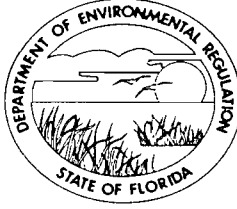
SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery.

<p>3. Article Addressed to:</p> <p>Mr. Bruno A. Ferraro, President Grove Scientific 6140 Edgewater Dr., Suite F Orlando, FL 32810-4810</p>	<p>4. Article Number</p> <p>P 274 010 492</p> <p>Type of Service:</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail</p> <p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>
<p>5. Signature - Addressee</p> <p>X <i>R. Piotrowski</i></p>	<p>8. Addressee's Address (ONLY if requested and fee paid)</p>
<p>6. Signature - Agent</p> <p>X</p>	
<p>7. Date of Delivery</p> <p><i>3-10-88</i></p>	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

March 8, 1988

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruno A. Ferraro, President
Grove Scientific
6140 Edgewater Drive, Suite F
Orlando, Florida 32810-4810

Dear Mr. Ferraro:

We are in receipt of your letter, dated February 19, 1988, regarding the feasibility of installing a new regenerative high temperature thermal oxidizer replacing the existing incinerator for VOC control at this facility.

The ^{Reeco}~~Grove~~ Thermal Oxidizer under consideration, appears to be an efficient control system. Before you start construction/installation of this equipment, you need to submit to the Department a complete air pollution construction permit application.

If you have questions do not hesitate to call at (904) 488-1344.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CF/TH/ss

GROVE

SCIENTIFIC

DER

FEB 22, 1988 (m)

BAQM

February 19, 1988

Permit No.?

Mr. Clair Fancy, P.E.
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blainstone Road
Tallahassee, FL 32399-2400

RE: Citrus Central, Inc., Metals Division
A048-140743
A048-101993

Dear Mr. Fancy:

We are currently investigating the feasibility of installing a new regenerative high temperature thermal oxidizer at this facility for VOC emission control. This unit is proposed as a replacement for an existing incinerator. The system being considered is manufactured by Reeco, Inc., (literature enclosed).

During the metal coating process at Citrus Central Metals Division, three (3) flammable solvents are used to keep the coating applicator rollers clean and moist. After one (1) hour, this solvent has built up dissolved solids from the coatings (approximately 3-5%) and is replaced with clean solvent. The spent solvent, that is the by-product of the process, is currently managed as a flammable (characteristic) hazardous waste. The three solvents used are mineral spirits, glycol ether (butyl cellosolve) and methyl isobutyl ketone. In 1987, this facility disposed of 301,751 pounds of flammable solvent.

The Reeco Thermal Oxidizer under consideration can utilize this solvent by-product as an alternate fuel and all of the heat (100%) produced is returned to the process from which this by-product is generated. This heat is used in the drying ovens that cures the coated metal sheets. If this process is determined to be feasible, it will result in eliminating the flammable waste disposal and greatly enhance this facilities waste minimization efforts.

Flammable solvents

150 Tpy

*Ambient Air Concentration (AAC)
Destruction efficiency
99.9999%*

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SCIENTIFIC

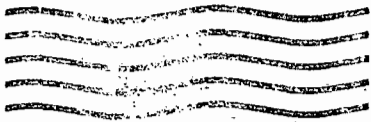
*Fold at line over top of envelope to the right
of the return address*

CERTIFIED

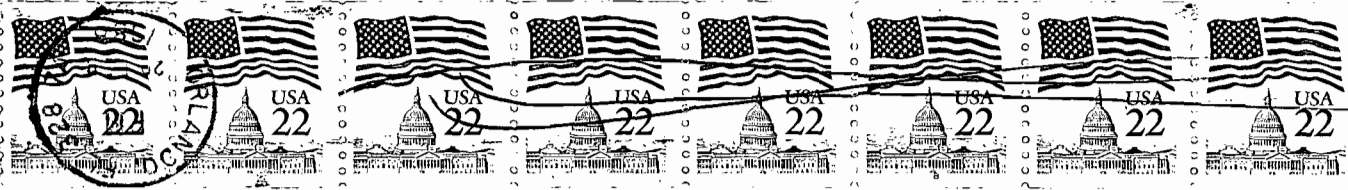
P 394 849 760

MAIL

Mr. Clair Fancy, P.E.
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blairstone Road
Tallahassee, FL 32399-2400



6126 EDGEWATER DRIVE ■ SUITE
ORLANDO, FLORIDA 32840-4810



Please advise us as to the specific procedures and requirements for obtaining approval to implement this proposal. An engineering study is currently under way and the alternate fuel option is being seriously considered in the design. We would like to begin immediately on the necessary approval process. We can furnish your office with test data and examples where this process and the Reeco Thermal Oxidizers are currently on-line. Your attention to this request is appreciated.

Respectfully,
GROVE SCIENTIFIC

Bruno A. Ferraro
Bruno A. Ferraro
President

cc: John Z. Randall
Joe Busco
Bill Fendley
Russell Cannon
Jerome Guidry, P.E.
George Yundt, III

Certified Mail No: 394 849 75860
03-016.00
Enclosures

BAF:mm

Same incinerator

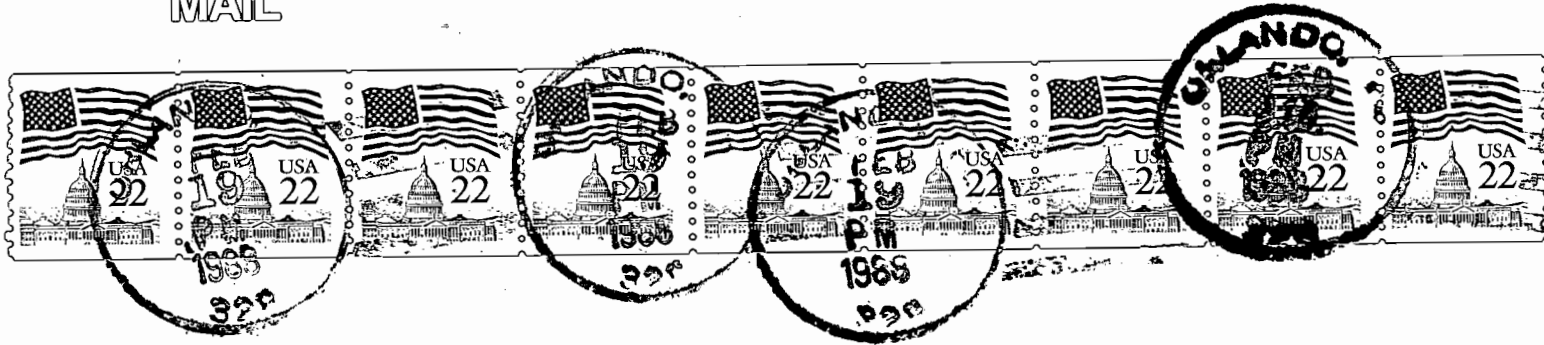
<i>21.4</i>	<i>AO 48 - 28175 Coil Coater #1 and oven #1 / COR - PARK</i>			
	<i>direct flame incinerator</i>		<i>Est.</i>	
	<i>natural gas - propane</i>	<i>TSP</i>	<i>2.38</i>	<i>7TPY</i>
	<i>TSP VE - NOX - THE</i>	<i>VE</i>		
		<i>NOx</i>	<i>1.12</i>	<i>4TPY</i>
		<i>THE</i>	<i>36.90</i>	<i>161TPY</i>
	<i>AO 48 - 63469 coil coater #2 and oven #2 w/ pre direct</i>			
	<i>flame incinerator</i>	<i>TSP</i>	<i>1.36</i>	
		<i>VE</i>		
		<i>THE</i>	<i>36.90</i>	<i>161TPY</i>
	<i>AO 48 - 65254 Wagner Lithographic UV Curing Oven</i>			
		<i>THE</i>	<i>3.86</i>	<i>17TPY</i>
	<i>AO 48 - 35372 metal sheet coater #2 vent / exhaust</i>			
	<i>with afterburner control</i>	<i>THE</i>	<i>31.20</i>	<i>31TPY</i>

Place an line over top of envelope to the right
of the return address

CERTIFIED

P 394 849 758

MAIL



Mr. Clair Fancy, P.E.
Bureau of Air Quality Management
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blairstone Roda.
Tallahassee, FL 32399-2400

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

file

Initial

Date

2.

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

John Griffin said proposal subject to Hazardous Waste Regulation. Incinerator will have to comply with Subpart O per Chapter 17-30, FAC. They state led in permitting source. Get comments from B.A.Q.M. Permit prepared in District, by Richard Tedder in the Orlando District.

Depending products of combination

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

FROM:

unk

DATE

3/11/88

PHONE